

Title (en)
HIGHLY ELASTIC ELECTRICALLY INSULATING RAIL SUPPORT POINT

Title (de)
HOCHELASTISCHER ELEKTRISCH ISOLIERENDER SCHIENENSTÜTZPUNKT

Title (fr)
POINT D'APPUI TRES ELASTIQUE ET ELECTRIQUEMENT ISOLANT

Publication
EP 1709249 B1 20130821 (DE)

Application
EP 05707088 A 20050131

Priority
• EP 2005000913 W 20050131
• DE 102004004646 A 20040129
• DE 102005004506 A 20050131

Abstract (en)
[origin: WO2005073466A1] The invention relates to a highly elastic electrically insulating support point for the rails of a rail-guided vehicle with an anchorage in a supporting construction and spring-loaded fixing of the foot of the rail by means of a plate for lateral guidance of the rail foot and a screw which penetrates a spring on two sides of the foot of the rail which lies on an elastic base and said base lies on the supporting construction. An anchorage, consisting of a plastic bushing which is integrated into the supporting construction and which surrounds a screw bolt, is respectively arranged on both sides close to the foot of the rail, whereby the threaded end of said screwbolt protrudes from the anchorage to the side of the rail. A set of several superposed plastic plates, which are wider than the foot of the rail and accompanying spring-loaded fixing mechanism, is arranged between the supporting construction and the foot of the rail. The upper plate thereof is embodied in the form of a bearing element for the foot of the rail. At least one plate is embodied such that it is elastic and that it can be readjusted in order to lower the foot of the rail in a predefined manner and all plates have openings for the threaded end, whereby a nut for spring-loaded bracing of the foot of the rail can be placed thereupon. A kit for the support point and as a complement thereto a method for production of a support point for a fixed travel path comprising one such kit are also provided.

IPC 8 full level
E01B 9/42 (2006.01)

CPC (source: EP)
E01B 9/42 (2013.01)

Citation (examination)
DE 19932991 A1 20000621 - FRIEDRICH HAGANS PLASTVERARBEI [DE]

Cited by
EP2851468A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR LV MK YU

DOCDB simple family (publication)
WO 2005073466 A1 20050811; EP 1709249 A1 20061011; EP 1709249 B1 20130821; PL 1709249 T3 20140331

DOCDB simple family (application)
EP 2005000913 W 20050131; EP 05707088 A 20050131; PL 05707088 T 20050131